

✓ Res?
on Dec

April, 1938.

M. and M. #1 Lynd,
NW NW SW, 16-11S-21W,
Elevation 2206'
Rotary samples.

Pennsylvanian conglomerate 3860-3885'
3860-3885 Clay shales and oxidation stained cherts.

Viola residuum 3885-3900'
3885-3900 Cherts of Viola type with considerable red clay.
Because of the degree of oxidation this may be
conglomerate or land wash.

Decorah 3900-3928'
3900-3928 Shales, red and green, sandy, phosphatic; with
traces of brown dolomite at the top.

Arbuckle Top 3928' Penetration 122' Sub-sea, minus 1722'
3928-3940 Mainly Arbuckle cherts. Top of Arbuckle is
considerably dissolved leaving a mass of chert
with a few scraps of dolomite.
3940-3950 Dolomite, brown to pink, somewhat riddled by
solution. Abundant quartzose oolitic cherts.
3950-3970 Dolomite, fine, white to brown, sandy, with sandy
oolitic chert.
3970-3985 Dolomite, fine to medium, highly sandy.
3985-4000 Dolomite, white, coarse.
4000-4050 Dolomite, white to brown, medium to fine.

Questionable correlation:
3928-3950 Miller-Purcell?
3950-3985 Cotter
3985-4050 Pre-Cotter.

The dolomite from 3928-50' fits into the lower Cotter
fairly well and may be lower Cotter.

The top of porosity is probably between 3940-3950' as the upper part
of the Arbuckle is virtually residuum.